

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	69	(resin\$filled or (resin near2 filled)) with coupler	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/24 08:35
S1	1	("5117472").PN.	US-PGPUB; USPAT	OR	OFF	2005/05/23 14:59
S2	5	((("20050100282") or ("6878925") or ("6792213") or ("6814501") or ("6626542"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/05/23 15:00
S3	0	("2005/0100282").URPN.	USPAT	OR	ON	2005/05/23 15:10
S4	0	(Takanahi and Tadashi).in. and (optical with star with coupler).ti.	USPAT	OR	ON	2005/05/23 15:10
S5	0	(Takanahi and Tadashi).in.	USPAT	OR	ON	2005/05/23 15:10
S6	0	(Takanashi and Tadashi).in. and (optical with star with coupler).ti.	USPAT	OR	ON	2005/05/23 15:11
S7	2	(Takanashi and Tadashi).in.	USPAT	OR	ON	2005/05/23 15:11
S8	5	JP and "2000-241655"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:21
S9	0	EP and "03025670"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:22
S10	4	(von with Moers).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:22
S11	167	(Moers).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:23
S12	0	(Moers).in. and (light with guide).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:23

S13	10	(Moers).in. and (light).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:23
S14	24	(star with coupl\$3) and (refractive with (index or indicies)) and (transparent with resin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:58
S15	9	(star with coupl\$3) and (refractive with (index or indicies)) and (transparent with resin) and gap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:35
S16	247	(star with coupl\$3) and (refractive with (index or indicies)) and gap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:58
S17	238	S16 not S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:35
S18	118	(star with coupl\$3) and resin and gap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:54
S19	63	S18 not S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:55
S20	7403	(star with coupl\$3) or (slab with waveguide) and resin and gap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:55

S21	175	((star with coupl\$3) or (slab with waveguide)) and resin and gap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:55
S22	57	S21 not (S16 or S18)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:55
S23	715	((star with coupl\$3) or (slab with waveguide)) and (refractive with (index or indices)) and gap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:58
S24	54	((star with coupl\$3) or (slab with waveguide)) and (refractive with (index or indices)) and (transparent with resin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:59
S25	30	S24 not S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 15:58
S26	619	((star with coupl\$3) or (slab with waveguide)) and (refractive with (index or indices)) and diffus\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 16:00
S27	170	((star with coupl\$3) or (slab with waveguide)) and (refractive with (index or indices)) and diffus\$4 and (adhesive or resin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 16:04
S28	130	((star with coupl\$3) or (slab with waveguide) or (optical with coupler)) and (refractive with (index or indices)) and (diffus\$4 with layer) and (adhesive or resin) and gap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/23 16:06


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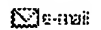
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Lin, Y.; Sargent, E.H.; Lam, W.W.; Rogers, E.S., Sr.; Zhang, J.; Kumacheva, E.; Lasers and Electro-Optics, 2002. CLEO '02. Technical Digest. Summaries of Papers Pt 19-24 May 2002 Page(s):669 - 670 vol.1
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- ☐ 2. **Propagating mode analysis and design of waveguide parameters of GI POF for v network use**
Ohdoko, K.; Ishigure, T.; Koike, Y.; Photonics Technology Letters, IEEE Volume 17, Issue 1, Jan. 2005 Page(s):79 - 81
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- ☐ 3. **POF-based interconnects for intracomputer applications**
Wittmann, B.; Johnck, M.; Neyer, A.; Mederer, F.; King, R.; Michalzik, R.; Selected Topics in Quantum Electronics, IEEE Journal of Volume 5, Issue 5, Sept.-Oct. 1999 Page(s):1243 - 1248
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(436 KB\)](#) IEEE JNL

- ☐ 4. **Fabrication of an optical directional coupler of CdTe by electron beam lithograph etching**
Nishimura, T.; Aritome, H.; Namba, S.; Quantum Electronics, IEEE Journal of Volume 16, Issue 12, Dec 1980 Page(s):1337 - 1340
[AbstractPlus](#) | Full Text: [PDF\(1520 KB\)](#) IEEE JNL

- ☐ 5. **Tunable laser emission from a solid conjugated polymer**
Wegmann, G.; Giessen, H.; Mahrt, R.F.; Quantum Electronics Conference, 1998. IQEC 98. Technical Digest. Summaries of papers from the International 3-8 May 1998 Page(s):136
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- ☐ 6. **New physical layer concepts for optical data buses in automobiles**
Pofel, S.; Zeeb, E.; Lasers and Electro-Optics Society 1999 12th Annual Meeting. LEOS '99. IEEE

Volume 2, 8-11 Nov. 1999 Page(s):822 - 823 vol.2

[AbstractPlus](#) | Full Text: [PDF](#)(136 KB) IEEE CNF

☐ **7. Direct MT(TM)-compatible connectorisation of VCSEL and LED-arrays to plastic ribbon for low cost parallel datalinks**

Van Hove, A.; Coosemans, T.; Bockstaele, R.; Vandeputte, K.; Vanwassenhove, L.; De R.; Van Daele, P.; Van Koetsem, J.; Van Den Torren, L.;

Electronic Components and Technology Conference, 1999. 1999 Proceedings. 49th 1-4 June 1999 Page(s):1096 - 1102

[AbstractPlus](#) | Full Text: [PDF](#)(772 KB) IEEE CNF

☐ **8. HCS fiber based optical star net for automotive applications**

Bauerle, R.; Pofert, S.; Seiffert, S.; Zeeb, E.;

Lasers and Electro-Optics Society 2000 Annual Meeting. LEOS 2000. 13th Annual Meeting. Volume 2, 13-16 Nov. 2000 Page(s):496 - 497 vol.2

[AbstractPlus](#) | Full Text: [PDF](#)(116 KB) IEEE CNF

☐ **9. End fired operation of plastic distributed feedback dye laser**

Tanaka, K.; Abe, A.; Tanaka, M.; Oki, Y.; Maeda, M.;

Lasers and Electro-Optics, 2003. CLEO/Pacific Rim 2003. The 5th Pacific Rim Conference. Volume 2, 15-19 Dec. 2003 Page(s):705 vol.2

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- ☐ 1. New biconically tapered fiber star coupler fabricated by indirect heating method
Imoto, K.; Maeda, M.; Kunugiyama, H.; Shiota, T.;
Lightwave Technology, Journal of
Volume 5, Issue 5, May 1987 Page(s):694 - 699
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- ☐ 1. **A robust fiber optic active star coupler for the SAE linear token-passing multiple:**
Uhlhorn, R.W.;
Aerospace and Electronic Systems Magazine, IEEE
Volume 4, Issue 1, Jan. 1989 Page(s):3 - 11
[AbstractPlus](#) | Full Text: [PDF](#)(1160 KB) IEEE JNL
- ☐ 2. **Wavelength reuse for efficient packet-switched transport in an AWG-based metro:**
Scheutzw, M.; Maier, M.; Reisslein, M.; Wolisz, A.;
Lightwave Technology, Journal of
Volume 21, Issue 6, June 2003 Page(s):1435 - 1455
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(1391 KB) IEEE JNL
- ☐ 3. **Integrated photonic wavelength router comprising a star coupler and acousto-optic:**
Okayama, H.; Kawahara, M.;
Electronics Letters
Volume 31, Issue 1, 5 Jan. 1995 Page(s):55 - 56
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 Components, Hybrids, and Manufacturing Technology, IEEE Transactions on [see also
 Components, Packaging, and Manufacturing Technology, Part A, B, C]
 Volume 15, Issue 4, Aug. 1992 Page(s):505 - 509
 AbstractPlus Full Text: PDF(532 KB) IEEE JNL</p> |
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 Blyler, L.L., Jr.; Grimes, G.J.;
 Electronic Components Conference, 1989. Proceedings., 39th
 22-24 May 1989 Page(s):490 - 493
 AbstractPlus Full Text: PDF(180 KB) IEEE CNF</p> |
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 Grimes, G.J.; Blyler, L.L., Jr.;
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 Volume 16, Issue 3, May 1993 Page(s):266 - 271
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| <input type="checkbox"/> | <p>4. Polymeric optical waveguide circuits formed using silicone resin
 Watanabe, T.; Ooba, N.; Hayashida, S.; Kurihara, T.; Imamura, S.;
 Lightwave Technology, Journal of
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- ☐ 7. **Practical Implementation of ultrawideband partial discharge detectors**
Stone, G.C.; Sedding, H.G.; Fujimoto, N.; Braun, J.M.;
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- ☐ 8. **Polymeric optical mixing rod coupler**
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- ☐ 9. **Development of a portable diagnostic apparatus for coil insulators in low-voltage motors**
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- ☐ 10. **Fused coupler switch using a thermo-optic cladding**
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- ☐ 12. **Self-written waveguide structure in photosensitive polyimide resin fabricated by thermosetting process**
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- ☐ 13. **Lensed plastic optical fiber employing concave end filled with high-index resin**
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- ☐ 14. **Plastic split alignment sleeves for single-mode fiber connection of MU- and SC-type**
Shuto, Y.; Yanagi, S.; Ohno, M.; Sato, H.; Amano, M.; Iwano, S.; Sumida, S.; Tohno, S
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Shuto, Y.; Sato, H.; Yanagi, S.; Ohno, M.; Tohno, S.;
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Phelps, C.W.; Barry, T.S.; Rode, D.L.; Krchnavek, R.R.;
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- ☐ 17. **MIC Packaging Using Conductive Epoxy and Numerically Controlled Drill Techni**
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- ☐ 18. **Fabrication of fiber collimate lens with liquid resin droplet**
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- ☐ 19. **A stable laser module with UV-curable resin for single-mode subscriber use**
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- ☐ 20. **Contribution of butt-joint connectors and lens connectors to the radiation induce**
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Henschel, H.; Kohn, O.; Schmidt, H.U.; Rittich, D.;
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- ☐ 21. **Novel compact dual-channel all-fiber Bragg grating multiplexer**
Sauer, M.; Baumann, I.; Seifert, J.; Nowak, W.;
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- ☐ 22. **Non-destructive optical diagnosis of thermal deterioration for coil insulator in lo**
induction motors
Takezawa, Y.; Itoh, Y.; Shimodera, M.; Miya, H.;
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- ☐ 23. **Injection-molded polish-free 2-ch connectors**
Katsura, H.; Sakurai, W.; Ohtsuka, K.; Ueda, T.; Kakii, T.;
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- ☐ 24. **Monolithic integration of microfluidic channels and optical waveguides using a p**
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Ruano, J.M.; Aguirregabiria, M.; Tijero, M.; Arroyo, M.; Garcia, J.; Berganzo, J.; Aramb
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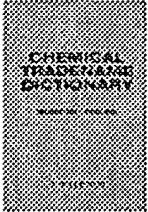
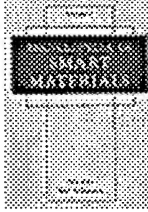


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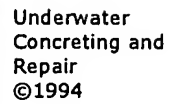
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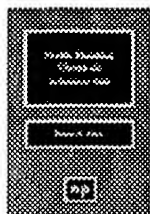
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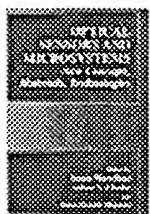
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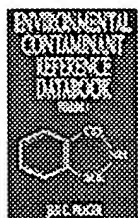
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⊕ 1,3-benzenediamine



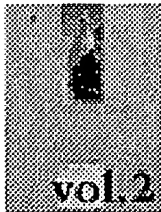
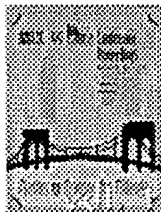

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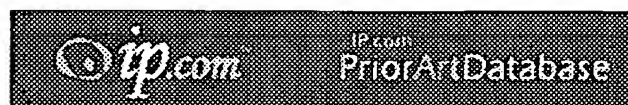
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Result # 1 Relevance: 000000

**PREVIEW**
This document**Silver halide photographic light-sensitive material**

12-Sep-2000

IPCOM000001417D

English

The present invention offers a silver halide photographic light-sensitive material which is excellent in dye image storage stability, which little change in the photographic performance thereof between i completion of continuous processing, which has ...

Result # 2 Relevance: 000000

**PREVIEW**
This document**Silver halide color photographic material**

12-Sep-2000

IPCOM000000042D

English

A two-equivalent cyan dye forming coupler represented by the (I) substituted with at least one substituent represented by gen (II), having substituents as defined in the specification. This co excellent color forming properties and good ...

Result # 3 Relevance: 000000

**PREVIEW**
This document**Method for processing a silver halide photographic**

12-Sep-2000

IPCOM000000785D

English

A novel method for processing a silver halide color photographic process comprises imagewise exposing a silver halide color pho sensitive material to light, color-developing the light-sensitive n then desilvering the light-sensitive ...

Result # 4 Relevance: 000000

**PREVIEW**
This document**Silver halide color photographic light-sensitive ma**

12-Sep-2000

IPCOM000000122D

English

A silver halide color photographic light-sensitive material which support having thereon at least one silver halide emulsion layer dispersed therein at least one magenta coupler represented by general formula (I): ##STR1## wherein R.sub.1 ...

Result # 5 Relevance: 000000

**PREVIEW**
This document**Method of forming a color image**

12-Sep-2000

IPCOM000000529D

English

A method of forming a color image comprising developing an in exposed silver halide color photographic material with a develop containing an aromatic primary amine developing agent in the least one coupler represented by the following ...

Result # 6 Relevance: 000000

**PREVIEW**
This document**Silver halide color photographic materials**

12-Sep-2000

IPCOM000001240D

English

A Silver halide color photographic materials comprising a suppo thereon at least one silver halide emulsion layer, wherein said r contains (1) at least one type of compound which reacts with th product of a primary aromatic amine based developing ...

Result # 7 Relevance: **PREVIEW**
this document**Silver halide color photographic material**

12-Sep-2000

IPCOM000000825D

English

A novel silver halide color photographic material containing a de
accelerator releasing compound, which comprises at least one li
silver halide emulsion layer on a support, wherein at least one c
layer and a non-light sensitive ...

Result # 8 Relevance: **PREVIEW**
this document**Direct positive color photographic materials**

12-Sep-2000

IPCOM000000967D

English

A direct positive color photosensitive material comprising an int
image silver halide emulsion layer which has not been prefogge
image-forming magenta coupler of formula (I) and a nucleation
formulae (II) and/or (III): ##STR1## wherein Za ...

Result # 9 Relevance: **PREVIEW**
this document**Directional Coupler**

1969-05-01

IPCOM000090604D

English

In drawing 1, CPU 10 is coupled to a number of storage units 1:
series of like directional couplers 12 terminated by terminating
Each coupler 12 consists of a two-core coaxial cable 14 one cor
receives an input from CPU 10 and transmits the ...

Result # 10 Relevance: **PREVIEW**
this document**Silver halide light-sensitive photographic material**

12-Sep-2000

IPCOM000001437D

English

A silver halide light-sensitive photographic material is disclosed.
photographic material comprises a support and a blue-sensitive
emulsion layer. The blue sensitive emulsion layer comprises a n
least two kinds of silver halide emulsions each ...

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Result # 11 Relevance:

**PREVIEW**
This document**Direct positive photographic material**

12-Sep-2000

IPCOM000001114D

English

Disclosed is a direct positive photographic material having an independent storage stability. The material comprises a support having at least one photographic emulsion layer containing previously internal latent image type silver halide grains ...

Result # 12 Relevance:

**PREVIEW**
This document**Silver halide color photosensitive material**

12-Sep-2000

IPCOM000001528D

English

A silver halide color photosensitive material is provided, comprising a transparent support having a thickness of not more than 120 μ m provided thereon photosensitive layers, wherein at least one of the photosensitive layers contains a silver halide emulsion containing

Result # 13 Relevance:

**PREVIEW**
This document**Method for processing silver halide color photographic material**

12-Sep-2000

IPCOM000000804D

English

A method for processing a silver halide color photographic material comprising at least one pyrazoloazole magenta coupler represented by general formula (I), which comprises processing the light-sensitive material, after exposure, with a color developer containing ...

Result # 14 Relevance:

**PREVIEW**
This document**Method for processing silver halide color photographic material**

12-Sep-2000

IPCOM000000948D

English

A method for processing a silver halide color photographic material comprising the steps of, after color-developing, processing the silver halide color photographic material with a bleaching bath, and then processing with a fixing bath, wherein the bleaching bath has a ...

Result # 15 Relevance:

**PREVIEW**
This document**Moisture Resistant Diazo Films**

1972-07-01

IPCOM000077288D

English

Semitransparent diazo photomasks employing acrylic esters are resistant to moisture degradation.

Result # 16 Relevance:

**PREVIEW**
This document**Silver halide photographic light-sensitive material**

12-Sep-2000

IPCOM000001087D

English

A silver halide photographic light-sensitive material is disclosed comprising a halide emulsion layer of the light-sensitive material is sensitized in the blue-violet region of the spectrum by a cationic di- or tri-carbocyanine sensitizer represented by formula ...

Result # 17 Relevance: **PREVIEW**
Full Document**Semitransparent Mask for Integrated Circuit Produ**

1972-03-01

IPCOM000076446D

English

Masks suitable for fabrication of integrated circuits may be made by reaction of a diazonium salt with a formaldehyde derivative poly novolak or resole, to form the mask image. A solution of the poly diazo salt is applied to a glass plate by ...

Result # 18 Relevance: **PREVIEW**
Full Document**Image-forming process**

12-Sep-2000

IPCOM000001489D

English

An image-forming process for silver halide photographic material in which the photosensitive material has at least one silver halide layer on a support and contains a hydrazine compound in the other constitutional layers. The ...

Result # 19 Relevance: **PREVIEW**
Full Document**Light-sensitive silver halide photographic material**

12-Sep-2000

IPCOM000001086D

English

There is disclosed a light-sensitive silver halide photographic material which comprises, in a light-sensitive silver halide photographic material, a coating at least one layer of hydrophilic colloidal layer including silver halide photographic ...

Result # 20 Relevance: **PREVIEW**
Full Document**The use of UV filters in cosmetic and pharmaceutical sunscreen formulations**

09-Apr-2002

IPCOM000007599D

English

UV-B and UV-A radiations have acute, delayed and long term effects on skin and hair. The use of UV absorbers can effectively protect skin and natural and dyed hair from the damaging rays of the sun. It has been found that certain triazine derivatives provide ...

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Result # 21 Relevance:

**PREVIEW**
this document**Copolymers and their use in personal care composi**

20-Sep-2002

IPCOM000009829D

English (

The subject of the present disclosure are optionally cross-linked derived from the polymerization of at least one cationic monom least one non-ionic monomer. These copolymers are used as th personal care compositions.

Result # 22 Relevance:

**PREVIEW**
this document**Stabilized Body Care Products, Household Products And Fabrics**

05-Nov-2003

IPCOM000020242D

English

Disclosed are stabilized body care products, household products fabrics which comprise certain hindered nitroxyl, hydroxylamine hydroxylamine salt compounds. Dyed products and articles are stabilized against color degradation. The products ...

Result # 23 Relevance:

**PREVIEW**
this document**Amino substituted hydroxyphenyl benzophenone d**

04-Aug-2003

IPCOM000018721D

English (

Described are amino substituted hydroxyphenyl benzophenone The compounds are useful as UV filters in sunscreen application

Result # 24 Relevance:

**PREVIEW**
this document**MODULAR VEHICLE CONSTRUCTION**

11-Nov-2003

IPCOM000020299D

English

The present invention relates to modular vehicle construction a to a first embodiment having a clam shell-like arrangement in v belt-line-up structure is pre-assembled for shipment to an OEM assembly of the clam shell, ...

Result # 25 Relevance:

**PREVIEW**
this document**Merocyanine derivatives for cosmetic use**

04-Mar-2004

IPCOM000022279D

English

Cosmetic or pharmaceutical compositions comprise a merocyan as sunscreen to protect human and animal hair and skin from U example, delta- aminopentadienoate derivatives or [3-Amino-c enylidene]- acetic acid ester compounds are used in ...

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Result # 1 Relevance: 000000

**PREVIEW**
this document**Active Optical Star Computer**

1991-02-01

IPCOM000119627D

English

In a wavelength division multiplexed network where an optical : used to distribute the channels, each at a different wavelength, users, an ideal optical star coupler will introduce a 1/N power sp process of broadcasting each input signal ...

Result # 2 Relevance: 000000

**PREVIEW**
this document**Synchronization of a Fiber-Optic Star Coupled Netw**

1990-08-01

IPCOM000101763D

English

Disclosed is a method for bit and byte synchronization on a high half duplex multiported fiber-optic network. This is a method by string of intelligible data in the form of bits is wrapped back to t the data for verification, with a delay ...

Result # 3 Relevance: 000000

**PREVIEW**
this document**Means for Building a Star Coupler Within a Fused F**

1990-04-01

IPCOM000100425D

English

This article describes how to build a high-density optical star co technology developed for fused fiber plates. An optical star cou that mixes optical energy coming into ports so that each of N oi carries 1/Nth of the energy of each ...

Result # 4 Relevance: 000000

**PREVIEW**
this document**Improved Means for Implementing Optical Interco for Parallel Processors**

1991-04-01

IPCOM000120221D

English

This article describes an efficient method for using a broadband communication network to interconnect parallel processors and Parallel computer interconnections have traditionally been made means. Among the techniques commonly used are a bus, ...

Result # 5 Relevance: 000000

**PREVIEW**
this document**Low-Loss Architecture for Wavelength Division Mu Networks**

1989-09-01

IPCOM000036414D

English

The present article discloses a fiber-optic wavelength division m (WDMA) network architecture without a splitting loss at the hub

Result # 6 Relevance: 000000

**PREVIEW**
this document**Wavelength Division Multiaccess Network Using Cc Centralization, Local Oscillator Injection Locking a Homodyne Detection**

1988-02-01

IPCOM000056935D

English

In a centralized wavelength division multiaccess network, local copies of unmodulated carries are available. This invention take

this availability by locking the local oscillator using homodyne c
reception, thereby improving detectability and ...

Result # 7 Relevance: 



PREVIEW
this document

A Method to Improve the Utilization of Optical Star

1990-07-01

IPCOM000103186D

English

Disclosed is an efficient medium access protocol for a passive o
utilizes two wavelengths, one for data transfer and the other fo
station is equipped with a transmitter and receiver for each wa
two wavelengths of light from the ...

Result # 8 Relevance: 



PREVIEW
this document

**Means for Implementing Optical Interconnections
Processors**

1991-04-01

IPCOM000120220D

English

This description shows a how a broadband optical communicati
be used to interconnect parallel processors and memories. A m
for interconnections made from electrical conductors is that one
cannot carry independent transmissions ...

Result # 9 Relevance: 



PREVIEW
this document

**Passive Optical Star With WDM Couplers for Hybrid
Control and Overflow Prevention**

1989-09-01

IPCOM000036450D

English

This article describes a hybrid access control for a slotted passiv

Result # 10 Relevance: 



PREVIEW
this document

**Passive Optical Star With a Tunable Receiver for H
Control and Overflow Prevention**

1989-09-01

IPCOM000036398D

English

This article describes a hybrid access control for a slotted passiv
Each node uses a tunable receiver and two fixed-wavelength tr
realizing the following control functions: (i) hybrid (random/res
access control with collision resolution ...

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**PREVIEW**
This document**Holographic Coupler Devices for Fiber-Optic Netwo**

1990-11-01

IPCOM000102287D

Englis

Disclosed is a holographic approach for implementing Nx1 (1xN) for fiber-optic networks. This design does not require more combinations of many 3 dB couplers. With proper arrangements, holographic coupler devices may be used to implement ...

Result # 12 Relevance: ○○○○○

**PREVIEW**
This document**Method of Avoiding Tunable Lasers in a Coherent V Division Multiaccess Network**

1989-09-01

IPCOM000036415D

Englis

Wavelength Division Multiaccess Network In a centralized wavelength division multiaccess network, tunable optical filters are used to feed each receiver with the desired transmitter's combined sum of a strong light plus its weaker modulated signal, so as ...

Result # 13 Relevance: ○○○○○

**PREVIEW**
This document**Performance Enhancement Via Multiple Logical Sub An Optical Passive Star Network**

1990-08-01

IPCOM000101380D

Englis

Disclosed is a method to enhance the performance of an optical computer network where a large number of stations are interconnected through a single optical star coupler. The method divides the network into multiple logical subnetworks by the use of multiple ...

Result # 14 Relevance: ○○○○○

**PREVIEW**
This document**Multichannel Optical Network Using Optical Subcarrier Multiplexing**

1991-02-01

IPCOM000119630D

Englis

This article describes a method for constructing multiple-access based on optical subcarrier multiplexing. The method divides the bandwidth of the communication medium among multiple transmission subchannels.

Result # 15 Relevance: ○○○○○

**PREVIEW**
This document**Channel Access Protocol for Multi-Wavelength Fiber Network**

1990-03-01

IPCOM000100286D

Englis

The network under consideration is a multi-channel fiber-optic metropolitan area network (MAN). The channels are realized by using wavelength multi-access (WDMA), as shown in Fig. 1. Each transmitter is provided with two lasers, one of them at a wavelength unique to the ...

Result # 16 Relevance: ○○○○○

Nonsymmetric Optical Star Coupler

1980-09-01

IPCOM000055922D

Englis



Optical fibers having a given numerical aperture may be efficient for optical fibers having a different numerical aperture by using a rod or tube which matches numerical apertures. This also permits numerical aperture fibers to be larger ...

Result # 17 Relevance:



Subcarrier Encoded Wavelength Division Multiplexing With Full Connectivity

1991-07-01 IPCOM000121069D English

The combination of wavelength division multiplexing (WDM), multi-subcarrier multiplexing (SCM) [1], and fiber technology offers a capability of optical linking of a few hundred channels in a metropolitan computer network or local-area network. In ...

Result # 18 Relevance:



Adaptive Slotted Bus Metropolitan Area Network Protocol

1989-10-01 IPCOM000036776D English

The large distances between stations on a Metropolitan Area Network result in large propagation delays (.25 msec) between stations. A protocol under these conditions would not provide an efficient approach to the long times required to resolve collisions ...

Result # 19 Relevance:



A Low Cost Dynamic Erasable Optical Switch

1993-07-01 IPCOM000105398D English

Disclosed here is a low cost dynamically erasable optical switch for use in wavelength division multiaccess networks. The proposed scheme involves optical pumping of Erbium 3 sup + doped glass planar waveguide to the propagating signal from the input ...

Result # 20 Relevance:



Means of Implementing a Parallel Processing Barrier in an Optical Interconnection Network

1990-06-01 IPCOM000101047D English

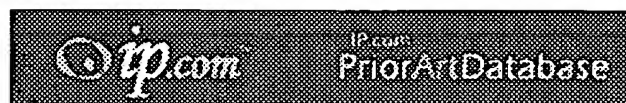
Disclosed is a technique for utilizing the broadcast properties of optical connections to implement a barrier synchronization operation for computers.

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Result # 21 Relevance:

**PREVIEW**
this document**Method of Setting Tunable Optical Filters in a Wave Division Multiaccess System**

1989-04-01

IPCOM000034782D

English

In order to select and receive only one of a large number of signals a receiver on the same optical fiber but at different wavelengths, an optical filter is swept unidirectionally across the band occupied by the transmissions and freezes on the proper one, ...

Result # 22 Relevance:

**PREVIEW**
this document**Mode-Locked Laser for Wavelength Division Multi-Access Network**

1989-04-01

IPCOM000034724D

English

A technique is described whereby a mode-locked laser for wave division multi-access networks generates the desired spectral comb of wavelengths in one operation. The concept simplifies previously described central wavelength division multi-access networking by ...

Result # 23 Relevance:

**PREVIEW**
this document**Method for Interconnecting Present And Future Optical Networks Via Switches**

1990-05-01

IPCOM000100729D

English

Disclosed is a method for interconnecting fiber-optic computer networks and switches. Computer networks are conventionally interconnected by routers or bridges which provide the functions of routing, protocol conversion, control, and buffering. The disclosed method ...

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Chaoqin Gan, Mingde Zhang, and Xiaohan Sun

 Proc. SPIE Int. Soc. Opt. Eng. **4604**, 130 (2001) PDF (41 kB)

85%

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H. John Caulfield, R. Barry Johnson, and Qiang Huang

 Proc. SPIE Int. Soc. Opt. Eng. **1555**, 154 (1991) PDF (102 kB)

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Shing M. Lee, Wei P. Pan, and Changjie Yang

 Proc. SPIE Int. Soc. Opt. Eng. **2839**, 133 (1996) PDF (469 kB)

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Silvano Donati, Giuseppe Martini, and Francesco Francese

 Proc. SPIE Int. Soc. Opt. Eng. **1849**, 54 (1993) PDF (444 kB)

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Hayato Yuuki, Takeharu Ito, and Tetsuo Sugimoto

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- 79%** 7. ☐ **Investigations on 4x4 polymer couplers for airborne environment**
Thomas Klotzbuecher, M. Sprzagala, Anne Koch, and Ulrich Teub
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Michael C. Parker, Farsheed Farjady, and Stuart D. Walker
Proc. SPIE Int. Soc. Opt. Eng. **3491**, 80 (1998) PDF (143 kB)
- 79%** 10. ☐ **Design and fabrication of 16x16 ion-exchanged glass waveguide star couplers**
Wei J. Wang, Ezio Berolo, and H. R. Khazaei
Proc. SPIE Int. Soc. Opt. Eng. **3491**, 427 (1998) PDF (1220 kB)
- 79%** 11. ☐ **New optical star LAN demonstrator based on FDM with an multichannel Ethernet protocol**
Caroline Brisson, Alain Kueng, P.-A. Nicati, Philippe A. Robert, David Rodellar, and Cristian Bungarzeanu
Proc. SPIE Int. Soc. Opt. Eng. **3531**, 164 (1998) PDF (451 kB)
- 79%** 12. ☐ **All-optical LAN architectures based on arrayed waveguide multiplexers**
Hagen Woesner
Proc. SPIE Int. Soc. Opt. Eng. **3531**, 158 (1998) PDF (294 kB)
- 79%** 13. ☐ **Coupling efficiency of an optical star coupler with a holographic branching device**
Tetsuya Saitoh, Masaki Taguchi, Yoshihisa Uehara, Hideo Shimizu, Yasukazu Sano
Proc. SPIE Int. Soc. Opt. Eng. **2404**, 266 (1995) PDF (285 kB)
- 79%** 14. ☐ **Concept of a local integrated operation network for different information flows**
Anke Schmietainski, Bernd X. Weis, and Heinz Schlesinger
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Interconnects

Robert Shih and Ray T. Chen

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Mario A. Santoro, Kai Y. Eng, Thomas L. Koch, and Julian Stone
Proc. SPIE Int. Soc. Opt. Eng. **1837**, 218 (1993) PDF (580 kB)
- 79%** 17. ☐ **Graded Index polymer channel waveguide array for backplane optical interconnects**
Robert Shih and Ray T. Chen
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